

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. MBHB02-013)

In the Application of:

Sharma, et al.

Serial No. 10/043,774

Filing Date: January 10, 2002

For: Human Hematopoietic Growth
Regulatory Gene and Uses

Before the Examiner:
Terry A. McKelvey

Group Art Unit: 1636

DECLARATION PURSUANT TO 37 C.F.R. §1.132

We, Arun Sharma, residing at 645 North Lombard Avenue, Oak Park, Illinois 60302, and
Ronald Hoffman, residing at 1962 North Fremont Avenue, Chicago, Illinois 60614, hereby
declare:

1. We are named co-inventors on United States Letters Patent Application Serial No.
10/043,774, filed on January 10, 2002.

2. We are the true and only joint inventors of the instantly-claimed invention.

3. The persons named as authors on the scientific journal reference, Sharma *et al.*,
2001, "Human CD34+ stem cells express the *hiwi* gene, a human homologue of the *Drosophila*
gene *piwi*." Blood 97:426-434, acted under the direction and control of the named inventors.

4. We hereby declare further that all statements made herein by each of us to our
own knowledge are true and that all statements made on information and belief are believed to be
true; and further that these statements were made with the knowledge that willful false
statements and the like so made are punishable by fine or imprisonment, or both, under Section
1001 of Title 18 of the United States Code and that such willful false statements may jeopardize
the validity of the application or any patent issuing thereon.

Signed

Date

Signed

Date

Consented
TMC
12/8/04